Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

bright view ELECTRONICS CO.,LTD	LIGHT EMITTING DIODE
	5E1QH4#

DESCRIPTION

Dice Material : AlGaInP/GaAs Ultra Brightness Red
Light Color : Red Color
Lens Color : Water Transparent
Dimension No : BV-501/BV-501R
Stand Off Part : BVT-5E1QH4#R

Jameco P/N 197616

ABSOLUTE MAXIMUN PATINGS AT Ta=25°C

PARAMETER	MAX.	UNIT
Power Dissipation	75	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	160	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/ °C
Operating Temperature Range	-40 °C to + 100 °C	
Storage Temperature Range	-40 °C to + 100 °C	
Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 senconds		

ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	I F = 20 mA		1.8	2.3	V
I_R	Reverse Current	V R = 5 V			100	μA
λp	Peak Emission Wavelength	I F = 20 mA		630		n m
λd	Dominant Wavelength	I F = 20 mA		626		n m
$2\theta_{1/2}$	Viewing Angle	I F = 20 mA		15		Deg

BIN grade limits (IF=20mA) Luminous Intensity

Device	☐ BVT-5E1QH4D			☐ BVT-5E1QH4E		
Bin	F	G	H	I	J	K
Max.	360	465	600	780	1000	1300
Min.	465	600	780	1000	1300	1680
Device	☐ BVT 5E1QH4F			☐ BVT 5E1QH4G		
Bin	L	M	N	O	P	Q
Max.	1680	2180	2800	3600	4650	6000
Min.	2180	2800	3600	4650	6000	7800

Tolerance ± 15 % mcd

Dominant Wavelength

Bin	Min.	Max.
QD	618	622
QE	622	626
QF	626	630
QG	630	634

Tolerance ± 0.5 nm

CAUTION

Bright View reserves the right to alter specifications and remove avilability of products at anytime without notice